

| Learning to Fly: The Wright Brother's Adventure  |       |                  |  |
|--|-------|------------------|--|
| 2007 Science                                     |       |                  |  |
| Grade Level and High School Content Expectations |       |                  |  |
| Michigan Science                                 |       |                  |  |
| Grade 6  |       |                  |  |
| Activity/Lesson                                  | State | Standards        |  |
| The Society                                      | MI    | SCI.6.S.IP.06.11 | Generate scientific questions based on observations, investigations, and research.   |
| The Society                                      | MI    | SCI.6.S.IA.06.12 | Evaluate data, claims, and personal knowledge through collaborative science discourse.   |
| The Society                                      | MI    | SCI.6.S.RS.06.19 | Describe how science and technology have advanced because of the contributions of many people throughout history and across cultures.  |
| Meet the Wrights                                 | MI    | SCI.6.S.RS.06.19 | Describe how science and technology have advanced because of the contributions of many people throughout history and across cultures.  |
| 1901: The First Improvement                      | MI    | SCI.6.S.IP.06.13 | Use tools and equipment (spring scales, stop watches, meter sticks and tapes, models, hand lens, thermometer, models, sieves, microscopes) appropriate to scientific investigations. |
| New Data   | MI    | SCI.6.S.IP.06.15 | Construct charts and graphs from data and observations.  |
| New Data   | MI    | SCI.6.S.IA.06.13 | Communicate and defend findings of observations and investigations using evidence.   |
| New Data   | MI    | SCI.6.S.IA.06.14 | Draw conclusions from sets of data from multiple trials of a scientific investigation.   |
| 1902: Success at Last                            | MI    | SCI.6.S.RS.06.15 | Demonstrate scientific concepts through various illustrations, performances, models, exhibits, and activities.   |
| 1903: Powered Flight                             | MI    | SCI.6.S.IP.06.15 | Construct charts and graphs from data and observations.  |
| 1903: Powered Flight                             | MI    | SCI.6.S.IA.06.11 | Analyze information from data tables and graphs to answer scientific questions.  |
| 1903: Powered Flight                             | MI    | SCI.6.S.RS.06.15 | Demonstrate scientific concepts through various illustrations, performances, models, exhibits, and activities.   |
| 1904: Improvement in Dayton                      | MI    | SCI.6.S.IA.06.13 | Communicate and defend findings of observations and investigations using evidence.   |
|  |       |                  |  |
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| 2007 Science                                     |       |                  |  |
| Grade Level and High School Content Expectations |       |                  |  |
| Michigan Science                                 |       |                  |  |
| Grade 7  |       |                  |  |
| Activity/Lesson                                  | State | Standards        |  |

|                             |    |                  |   |
|-----------------------------|----|------------------|---|
| The Society                 | MI | SCI.7.S.IP.07.11 | Generate scientific questions based on observations, investigations, and research.  |
| The Society                 | MI | SCI.7.S.RS.07.19 | Describe how science and technology have advanced because of the contributions of many people throughout history and across cultures. |
| Meet the Wrights            | MI | SCI.7.S.RS.07.19 | Describe how science and technology have advanced because of the contributions of many people throughout history and across cultures. |
| 1900: Kitty Hawks           | MI | SCI.7.S.RS.07.18 | Describe what science and technology can and cannot reasonably contribute to society.   |
| 1901: The First Improvement | MI | SCI.7.S.IP.07.11 | Generate scientific questions based on observations, investigations, and research.  |
| New Data                    | MI | SCI.7.S.IP.07.15 | Construct charts and graphs from data and observations.   |
| New Data                    | MI | SCI.7.S.IA.17.13 | Communicate and defend findings of observations and investigations.   |
| New Data                    | MI | SCI.7.S.IA.07.14 | Draw conclusions from sets of data from multiple trials of a scientific investigation to draw conclusions.                            |
| 1902: Success at Last       | MI | SCI.7.S.RS.07.15 | Demonstrate scientific concepts through various illustrations, performances, models, exhibits, and activities.                        |
| 1903: Powered Flight        | MI | SCI.7.S.IP.07.15 | Construct charts and graphs from data and observations.   |
| 1903: Powered Flight        | MI | SCI.7.S.IA.07.11 | Analyze information from data tables and graphs to answer scientific questions.   |
| 1903: Powered Flight        | MI | SCI.7.S.RS.07.15 | Demonstrate scientific concepts through various illustrations, performances, models, exhibits, and activities.                        |
| 1904: Improvement in Dayton | MI | SCI.7.S.IA.17.13 | Communicate and defend findings of observations and investigations.   |